AES/EPA -016

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April 15, 2016

Chief, Multimedia Permits and Compliance Branch
Caribbean Environmental Protection Division
U.S. Environmental Protection Agency, Region 2
City View Plaza II, Suite 7000
48 RD. 165 Km. 1.2
Guaynabo, Puerto Rico 00968-8069

RE: Administrative Order on Consent Docket Number CWA-02-2015-3102 – Compliance with AOC Section VII, ¶77 5th Quarterly Progress Report

Dear Jose:

On March 18, 2015 AES Puerto Rico LP ("AES-PR") and the United States Environmental Protection Agency ("EPA") entered into the above referenced Administrative Order on Consent ("AOC"), under which AES-PR is obligated to comply with certain requirements (AOC Section VII, Ordered Provisions). All capitalized terms in this letter shall have the meaning as defined in the AOC.

Under AOC Section VII ¶77, Until Termination of this Order, Respondent shall prepare and submit Quarterly Progress Reports (QPR) that describe the current status and progress of Respondent's actions taken to comply with the provisions of this Order.

In compliance with the new AOC requirement, AES-PR hereby submits the required QPR for Q-1 2016 as an attachment to this letter.

We respectfully ask EPA to advise AES-PR promptly, should the agency have any concerns with this submission. Should AES-PR not receive any timely comments from EPA, we will reasonably consider that EPA has agreed that AES-PR has satisfied this requirement of AOC Section VII, ¶77 in full. Should EPA require additional time to review and provide comments back to AES-PR, that review time is of course entirely beyond the control of AES-PR and should be added to the required time frame for AES-PR to comply with this requirement.

Regards,

Manuel Mata
President AES Puerto Rico
Attachments

Administrative Order on Consent
AES Puerto Rico Coal Fired Power Plant
Docket Number CWA-02-2015-3102
NPDES Tracking Number PRU020663

Certification

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Manuel Mata
President AES Puerto Rico

4/15/2016
Date

AES
Puerto Rico

Quarterly Progress Report (QPR) No. 5

Administrative Compliance Order
AES-PR Coal Fired Power Plant
Docket Number CWA-02-2015-3102

April 15, 2016

AES Puerto Rico, LP (AES-PR) is hereby submitting to the United States Environmental Protection Agency (USEPA) this Quarterly Progress Report (QPR) in accordance with Provision 77 of the Administrative Compliance Order (ACO), Docket Number CWA-02-2015-3102.

Milestones and Activities

This reporting period covers the actions taken from **January 1, 2016** to **March 31, 2016**. During this reporting period AES-PR completed a number of actions towards meeting the Provisions of this ACO, including:

1- **<u>Ordered Provision 68</u> - Upon the Effective Date of this Order and for a period of one year, Respondent shall conduct benchmark monitoring and analyze samples according to Part 6.1.3 (measurable storm event), Part 6.1.4 (sample type), Part 6.1.5 (adverse weather condition), Part 6.1.7 (monitoring periods), Part 6.2.1.1 (applicability of benchmark monitoring), Part 6.2.1.2 (benchmark monitoring schedule), Part 8.O.7 (sector-specific benchmark for steam electric power generating facilities) and Part 8.Q.6 (sector-specific for water transportation) of the MSGP. Also, Respondent shall:**

a. monitor at least once at the permanent sampling points 001, 002, and 003 (SP-001, SP-002, and SP-003, respectively) in each of the following 3-month intervals: January 1 – March 31; April 1 – June 30; July 1 – September 30; and October 1 – December 31;

b. analyze the samples for total aluminum, total iron, total lead and total zinc;

c. document monitoring activities and laboratory reports for each sampling point; and

d. prepare MDMR forms within thirty (30) days of receiving the laboratory results. Respondent shall use the MDMR available at the EPA's web site at http://water.epa.gov/polwaste/npdes/stormwater/.

AES-PR personnel monitored permanent sampling points 001, 002, and 003 during **January 1 – March 31, 2016**. Samples were analyzed for total aluminum, total iron, total lead and total zinc. Laboratory reports for sampling points were received on March 14, 2016 (**Attachment 1**).

2- Benchmark Monitoring Results

The Q1-2016 benchmark monitoring results for the three storm water outfalls are summarized in the tables and graphs included in **Attachment 2**.

Monitoring results for sampling point 001 indicate that the average of the four monitoring samples analyzed for aluminum (0.79 mg/l) was slightly above benchmark (0.75 mg/l). Although not a significant increase in aluminum concentration was observed, corrective actions were completed in order to achieve and maintain monitoring parameters below benchmark. Corrective actions taken include periodic cleaning and inspection of the PVC header and sediment trap. Also, the stormwater inspection sheet was revised and improved to ensure adequate cleaning of the dock area.

The monitoring results for sampling point 002 indicate that aluminum and iron concentrations were above benchmark. Corrective actions were completed in order to comply with part 6.2.1 of the MSGP 2015. The selection, design, installation, and implementation of control measures were reviewed and evaluated in the field. Two exposed soil areas were identified, one located at the east side of the facility and one at the rip rap located close to sampling point 002. As a corrective action, exposed areas were stabilized with aggregate. Silt fencing was installed at the upper part of the stormwater drainage area at the east side of plant in order to reduce stormwater flow velocity and control erosion.

The monitoring results for sampling point 003 indicate a decrease in aluminum and iron concentrations. Stormwater monitoring parameters were all below benchmark value during this monitoring period. The average of the four monitoring samples analyzed for

all required parameters were below benchmark. Results indicate that control measures have been working efficiently and that no BMP modifications are necessary for that drainage area.

3- Additional Actions Taken

AES-PR is submitting with this QPR the compliance activities completed during this period (**Attachment 3**). It includes visual inspections and monitoring activities conducted for all plant storm water outfalls. Inspection results were documented and records kept with the Stormwater Pollution Prevention Plan. Routine site inspection and corrective actions for **January 1, 2016** to **March 31, 2016** period were completed, documented and being submitted with this report.

4- Activities for Next Reporting Period

During the next reporting period, AES will continue conducting benchmark monitoring and sampling as required in AOC provision 68.

Certification

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Manuel Mata
Plant Manager

ATTACHMENT 1

Discharge Monitoring Report

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if Different)*

NAME

ADDRESS

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*

DISCHARGE MONITORING REPORT *(DMR)*

Form Approved

OMB No. 2040-0004

PERMIT NUMBER	DISCHARGE NUMBER
PRR053093	001

FACILITY

LOCATION

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2016	1	1	TO	2016	3	31

NOTE: Read instructions before

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
Total Al	SAMPLE					1.52		mg/L		Q	G
	PERMIT REQUIREMENT					0.75					
Total Fe	SAMPLE					1.18		mg/L		Q	G
	PERMIT REQUIREMENT					1.0					
Total Pb	SAMPLE					<0.002		mg/L		Q	G
	PERMIT REQUIREMENT					0.262					
Total Zn	SAMPLE					0.089		mg/L		Q	G
	PERMIT REQUIREMENT					0.260					
	SAMPLE										
	PERMIT REQUIREMENT										
	SAMPLE										
	PERMIT REQUIREMENT										
	SAMPLE										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
Manuel Mata	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT			2016	4	15
TYPED OR PRINTED			AREA	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS ***(Reference all attachments here)***

BECKTON ENVIRONMENTAL

LABORATORIES, INC.

ACCREDITED IN ACCORDANCE WITH nelac

REPORT OF ANALYSIS

ATTENTION: Mr. Héctor Ávila
COMPANY: AES Puerto Rico - Guayama

DATE: March 7, 2016

CONTRACT: AES – Guayama

LAB. SAMPLE ID: BEL-1600573
SAMPLE COLLECTED BY: Client (P. Labayen)
DATE RECEIVED: 02/22/16

SAMPLE DATE: 02/19/16
TIME: 4:10 PM

DESCRIPTION: Stormwater 001
LAB. FILE ID: 1600573
MATRIX: Water (Storm Water)

PARAMETER	EPA METHOD	SAMPLE TYPE	UNITS	BEL-1600573 RESULT	METHOD DETECTION LIMIT	ANALYST	DATE ANALYZED
Aluminum	200.7(ICAP)	Grab	mg/L	1.52	0.005	BTR	03/02/16
Iron	200.7(ICAP)	Grab	mg/L	1.18	0.010	BTR	03/02/16
Lead	200.7(ICAP)	Grab	mg/L	<0.002	0.002	BTR	03/01/16
Zinc	200.7(ICAP)	Grab	mg/L	0.089	0.002	BTR	03/01/16

*Standard Methods for the Examination of Water and Waste Water 20th Edition, 1999.

Method Detection Limit (MDL)-The minimum concentration of a substance that can be measured and reported with 99% confidence that the value is above zero.

Certification and release of the data contained in the Report of Analysis has been authorized by the Laboratory Manager or the Manager's Designee. Sample results related only to the sample submitted.

ESTADO ASOCIADO DE PUERTO RICO
Iris M. Chévere Alfonzo
Lic. # 2370
QUÍMICO LICENCIADO

Lcda. Iris M. Chévere Alfonzo
Laboratory Director
Chemist License 2370

Attachment: Chain of Custody Records (1)

192 VILLA STREET • PONCE, PR 00730-4875 • TEL. (787) 841-7373 • FAX (787) 841-7313

BECKTON ENVIRONMENTAL LABORATORIES
192 Villa Street • Ponce, P.R. 00730-4875
Tel. 787-841-7373 • Fax 787-841-7313

REVISION 2009

CHAIN OF CUSTODY RECORD

PROYECT NO.	COMPANY	SAMPLER
	AES Guayama	Pedro E. Lebayen

SAMPLE LOCATION/CLIENT ID	Storm Water Pond	TIME	4:10 AM PM	CONTROL NO.
SAMPLE DATE	2/19/16	BEL. NO.	16000573	186841

1. General Environmental:		PC	VSS		PC
Acidity	( )		Alkalinity	( )	
Ammonia as N	( )		Bicarbonate	( )	
BOD-5	( )		Bromide	( )	
Chloride	( )		Chlorine, Res.	( )	
COD	( )		Color (ADMI)	( )	
Conductivity µmhos/cm	( )		Color (Pt-Co)	( )	
Dissolved Oxygen	( )		Cyanide	( )	
Hardness	( )		Fluoride	( )	
Moisture %	( )		Iodide	( )	
Nitrite	( )		Nitrate	( )	
Oil+Grease	( )		Nitrate + Nitrite	( )	
Phenol	( )		pH, S.U.	( )	
Phosphorus, Total	( )		Phosphate, Ortho	( )	
Sett Solids mg/L	( )		Sett. Solids mL/L	( )	
Sulfate	( )		Solids, Total	( )	
Sulfite	( )		Sulfide	( )	
TDS	( )		Surfactant	( )	
Temperature, °C	( )		TSS	( )	
TOC	( )		TKN	( )	
Asbestos	( )		Turbidity	( )	
TVS	( )		Carbonate	( )	
Total Nitrogen	( )				
2. Metals:					
Aluminum (Al)	(X)	1	Cadmium (Cd)	( )	
Chromium (Cr)	( )		Copper (Cu)	( )	
Iron (Fe)	(X)	1	Lead (Pb)	(X)	1
Manganese (Mn)	( )		Mercury (Hg)	( )	
Nickel (Ni)	( )		Selenium (Se)	( )	
Silver (Ag)	( )		Tin (Sn)	( )	
Zinc (Zn)	(X)	1	Arsenic (As)	( )	
Barium (Ba)	( )		Boron (B)	( )	
Antimony (Sb)	( )		Beryllium (Be)	( )	
Bismuth (Bi)	( )		Calcium (Ca)	( )	
Chromium, VI (CrVI)	( )		Cobalt (Co)	( )	
Magnesium (Mg)	( )		Molybdenum (Mo)	( )	
Potassium (K)	( )		Silicon (Si)	( )	
Sodium (Na)	( )		Strontium (Sr)	( )	
Thallium (Tl)	( )		Titanium (Ti)	( )	
Vanadium (V)	( )		Lithium (Li)	( )	
3. RCRA/Hazardous wastes					
Ignitability (Flash Pt.)	( )		Corrosivity	( )	
Reactivity (CN & S)	( )		TCLP	( )	
RCRA Metals	( )		Organics-Pest/Herb	( )	
Organics-BNA	( )		Organics-VOA	( )	
TOX	( )				
4. Specific Organics					
Volatiles	( )		Phenols GC	( )	
Pesticides/PCB's	( )		Semi-Volitiles (BNA)	( )	
Herbicides	( )		PCB's Only	( )	
BTEX	( )		TPH 418.1	( )	
TTO & Dioxin	( )		TTO	( )	
			TPH 8015	( )	
			Lindane	( )	
5. Microbiology					
Fecal Coliform	( )		Total Coliform	( )	

Comments: _____

Sampling Witness; _____
Date/Time: _____
Relinquished by: Pedro E. Lebayen
Date/Time: 2/22/16 9:15 AM
Received by: Edgardo L Ruiz
Date/Time: 0915
Relinquished by:
Date/Time: 2/22/16 2:36 PM
Received by:
Date/Time: 2/22/16 2:36 PM
Relinquished by:
Date/Time: _____
Received by:
Date/Time: _____

Matrix

air	( )	water	(X)	sludge	( )
liquid	( )	soil	( )	solid	( )
oil	( )	mixed	( )	other	( )

Specify: Storm Water

Preservative Codes = PC

1. Cool, <6° C
2. Sulfuric Acid (H_2SO_4) pH<2
3. Nitric Acid (HNO_3), pH<2
4. Hydrochloric acid (HCl)
5. Sodium Thiosulfate
6. Sodium Hydroxide(NaOH)
7. Zinc Acetate
8. Ascorbic Acid
9. FAS
10. Other

Sample type legend:

grab samples	x
composite samples	xx

Turnaround time:

1 day	( )
2 days	( )
3 days	( )
5 days	( )

Note: normal turnaround time is ten (10) working days; additional charges apply for rush orders.

Sampling Equipment:

Automatic Sampler	( )
Sample Pick Up	( )

Original

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if Different)*

NAME

ADDRESS

FACILITY

LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*

DISCHARGE MONITORING REPORT *(DMR)*

Form Approved

OMB No. 2040-0004

PERMIT NUMBER	DISCHARGE NUMBER
PRR053093	002

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2016	1	1	TO	2016	3	31

NOTE: Read instructions before

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
Total Al	SAMPLE					17.1		mg/L		Q	G
	PERMIT REQUIREMENT					0.75					
Total Fe	SAMPLE					14.0		mg/L		Q	G
	PERMIT REQUIREMENT					1.0					
Total Pb	SAMPLE					0.005		mg/L		Q	G
	PERMIT REQUIREMENT					0.262					
Total Zn	SAMPLE					0.113		mg/L		Q	G
	PERMIT REQUIREMENT					0.260					
	SAMPLE										
	PERMIT REQUIREMENT										
	SAMPLE										
	PERMIT REQUIREMENT										
	SAMPLE										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
Manuel Nata	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA	NUMBER	YEAR	MO	DAY
TYPED OR PRINTED					2016	4	15

COMMENT AND EXPLANATION OF ANY VIOLATIONS ***(Reference all attachments here)***

BECKTON ENVIRONMENTAL

LABORATORIES, INC.

ACCREDITED IN ACCORDANCE WITH nelac

REPORT OF ANALYSIS

ATTENTION: Mr. Héctor Ávila
COMPANY: AES Puerto Rico - Guayama

DATE: March 7, 2016

CONTRACT: AES – Guayama

LAB. SAMPLE ID: BEL-1600574
SAMPLE COLLECTED BY: Client (P. Labayen)
DATE RECEIVED: 02/22/16

SAMPLE DATE: 02/19/16
TIME: 4:05 PM

DESCRIPTION: Stormwater 002
LAB. FILE ID: 1600574
MATRIX: Water (Storm Water)

PARAMETER	EPA METHOD	SAMPLE TYPE	UNITS	BEL-1600574 RESULT	METHOD DETECTION LIMIT	ANALYST	DATE ANALYZED
Aluminum	200.7(ICAP)	Grab	mg/L	17.1	0.005	BTR	03/02/16
Iron	200.7(ICAP)	Grab	mg/L	14.0	0.010	BTR	03/02/16
Lead	200.7(ICAP)	Grab	mg/L	0.005	0.002	BTR	03/01/16
Zinc	200.7(ICAP)	Grab	mg/L	0.113	0.002	BTR	03/01/16

*Standard Methods for the Examination of Water and Waste Water 20th Edition, 1999.

Method Detection Limit (MDL)-The minimum concentration of a substance that can be measured and reported with 99% confidence that the value is above zero.

Certification and release of the data contained in the Report of Analysis has been authorized by the Laboratory Manager or the Manager's Designee. Sample results related only to the sample submitted.

ESTADO LIBRE ASOCIADO DE PUERTO RICO
Iris M. Chévere Alfonzo
Lic. # 2370
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Lcda. Iris M. Chévere Alfonzo
Laboratory Director
Chemist License 2370

$1.00 $1.00 A 1569985

Attachment: Chain of Custody Records (1)

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Tel. 787-841-7373 • Fax 787-841-7313

REVISION 2009

CHAIN OF CUSTODY RECORD

PROYECT NO.	COMPANY	SAMPLER	
	AES Guayama	Pedro E. Labayen	
SAMPLE LOCATION/CLIENT ID	Storm Water 002	TIME	4:05 AM PM
SAMPLE DATE	2/19/16	BEL. NO.	1600574
		CONTROL NO.	186842

1. General Environmental:		PC	VSS		PC
Acidity	( )		Alkalinity	( )	
Ammonia as N	( )		Bicarbonate	( )	
BOD-5	( )		Bromide	( )	
Chloride	( )		Chlorine, Res.	( )	
COD	( )		Color (ADMI)	( )	
Conductivity µmhos/cm	( )		Color (Pt-Co)	( )	
Dissolved Oxygen	( )		Cyanide	( )	
Hardness	( )		Fluoride	( )	
Moisture %	( )		Iodide	( )	
Nitrite	( )		Nitrate	( )	
Oil+Grease	( )		Nitrate + Nitrite	( )	
Phenol	( )		pH, S.U.	( )	
Phosphorus, Total	( )		Phosphate, Ortho	( )	
Sett Solids mg/L	( )		Sett. Solids mL/L	( )	
Sulfate	( )		Solids, Total	( )	
Sulfite	( )		Sulfide	( )	
TDS	( )		Surfactant	( )	
Temperature, °C	( )		TSS	( )	
TOC	( )		TKN	( )	
Asbestos	( )		Turbidity	( )	
TVS	( )		Carbonate	( )	
Total Nitrogen	( )				
2. Metals:					
Aluminum (Al)	(X)	1	Cadmium (Cd)	( )	
Chromium (Cr)	( )		Copper (Cu)	( )	
Iron (Fe)	(X)	1	Lead (Pb)	(X)	1
Manganese (Mn)	( )		Mercury (Hg)	( )	
Nickel (Ni)	( )		Selenium (Se)	( )	
Silver (Ag)	( )		Tin (Sn)	( )	
Zinc (Zn)	(X)	1	Arsenic (As)	( )	
Barium (Ba)	( )		Boron (B)	( )	
Antimony (Sb)	( )		Beryllium (Be)	( )	
Bismuth (Bi)	( )		Calcium (Ca)	( )	
Chromium, VI (CrVI)	( )		Cobalt (Co)	( )	
Magnesium (Mg)	( )		Molybdenum (Mo)	( )	
Potassium (K)	( )		Silicon (Si)	( )	
Sodium (Na)	( )		Strontium (Sr)	( )	
Thallium (Tl)	( )		Titanium (Ti)	( )	
Vanadium (V)	( )		Lithium (Li)	( )	
3. RCRA/Hazardous wastes					
Ignitability (Flash Pt.)	( )		Corrosivity	( )	
Reactivity (CN & S)	( )		TCLP	( )	
RCRA Metals	( )		Organics-Pest/Herb	( )	
Organics-BNA	( )		Organics-VOA	( )	
TOX	( )				
4. Specific Organics					
Volatiles	( )		Phenols GC	( )	
Pesticides/PCB's	( )		Semi-Volitiles (BNA)	( )	
Herbicides	( )		PCB's Only	( )	
BTEX	( )		TPH 418.1	( )	
TTO & Dioxin	( )		TTO	( )	
			TPH 8015	( )	
			Lindane	( )	
5. Microbiology					
Fecal Coliform	( )		Total Coliform	( )	

Comments: _____

Sampling Witness; _____
Date/Time: _____
Relinquished by: Pedro E. Labayen
Date/Time: 2/22/16 9:15 AM
Received by: Edgardo Cruz
Date/Time: 2/22/16 0915
Relinquished by: _____
Date/Time: 2/22/16 2:35pm
Received by: _____
Date/Time: 2/22/16 2:35pm
Relinquished by: _____
Date/Time: _____
Received by: _____
Date/Time: _____

Matrix

air	( )	water	(X)	sludge	( )
liquid	( )	soil	( )	solid	( )
oil	( )	mixed	( )	other	( )

Specify: Ston Water

Preservative Codes = PC

1. Cool, <6° C
2. Sulfuric Acid (H_2SO_4) pH<2
3. Nitric Acid (HNO_3), pH<2
4. Hydrochloric acid (HCl)
5. Sodium Thiosulfate
6. Sodium Hydroxide(NaOH)
7. Zinc Acetate
8. Ascorbic Acid
9. FAS
10. Other

Sample type legend:

grab samples x
composite samples xx

Turnaround time:

1 day ( )
2 days ( )
3 days ( )
5 days ( )

Sampling Equipment:

Automatic Sampler ( )
Sample Pick Up ( )

Note: normal turnaround time is ten (10) working days; additional charges apply for rush orders.

Original

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if Different)*

NAME

ADDRESS

FACILITY

LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*

DISCHARGE MONITORING REPORT *(DMR)*

Form Approved

OMB No. 2040-0004

PERMIT NUMBER	DISCHARGE NUMBER
PRR053093	003

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2016	1	1	TO	2016	3	31

NOTE: Read instructions before

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
Total Al	SAMPLE					0.208		mg/L		Q	G
	PERMIT REQUIREMENT					0.75					
Total Fe	SAMPLE					0.305		mg/L		Q	G
	PERMIT REQUIREMENT					1.0					
Total Pb	SAMPLE					<0.002		mg/L		Q	G
	PERMIT REQUIREMENT					0.262					
Total Zn	SAMPLE					0.022		mg/L		Q	G
	PERMIT REQUIREMENT					0.260					
	SAMPLE										
	PERMIT REQUIREMENT										
	SAMPLE										
	PERMIT REQUIREMENT										
	SAMPLE										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
Manuel Mata	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT			2016	4	15
TYPED OR PRINTED			AREA	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS ***(Reference all attachments here)***

BECKTON ENVIRONMENTAL

LABORATORIES, INC.

ACCREDITED IN ACCORDANCE WITH nelac

REPORT OF ANALYSIS

ATTENTION: Mr. Héctor Ávila
COMPANY: AES Puerto Rico - Guayama

DATE: March 7, 2016

CONTRACT: AES – Guayama

LAB. SAMPLE ID: BEL-1600575
SAMPLE COLLECTED BY: Client (P. Labayen)
DATE RECEIVED: 02/22/16

SAMPLE DATE: 02/19/16
TIME: 4:15 PM

DESCRIPTION: Stormwater 003
LAB. FILE ID: 1600575
MATRIX: Water (Storm Water)

PARAMETER	EPA METHOD	SAMPLE TYPE	UNITS	BEL-1600575 RESULT	METHOD DETECTION LIMIT	ANALYST	DATE ANALYZED
Aluminum	200.7(ICAP)	Grab	mg/L	0.208	0.005	BTR	03/02/16
Iron	200.7(ICAP)	Grab	mg/L	0.305	0.010	BTR	03/02/16
Lead	200.7(ICAP)	Grab	mg/L	<0.002	0.002	BTR	03/01/16
Zinc	200.7(ICAP)	Grab	mg/L	0.022	0.002	BTR	03/01/16

*Standard Methods for the Examination of Water and Waste Water 20th Edition, 1999.

Method Detection Limit (MDL)-The minimum concentration of a substance that can be measured and reported with 99% confidence that the value is above zero.

Certification and release of the data contained in the Report of Analysis has been authorized by the Laboratory Manager or the Manager's Designee. Sample results related only to the sample submitted.

ESTADO LIBRE ASOCIADO DE PUERTO RICO
Iris M. Chévere Alfonzo
Lic. # 2370
QUÍMICO LICENCIADO

$1.00 $1.00
A 1569986

Lcda. Iris M. Chévere Alfonzo
Laboratory Director
Chemist License 2370

Attachment: Chain of Custody Records (1)

192 VILLA STREET • PONCE, PR 00730-4875 • TEL. (787) 841-7373 • FAX (787) 841-7313

BECKTON ENVIRONMENTAL LABORATORIES
192 Villa Street • Ponce, P.R. 00730-4875
Tel. 787-841-7373 • Fax 787-841-7313

REVISION 2009

CHAIN OF CUSTODY RECORD

PROYECT NO.	COMPANY	SAMPLER
	AES Guayama	x Pedro E. Labayen

SAMPLE LOCATION/CLIENT ID	Storm Waters	TIME	4:15 AM PM	CONTROL NO.
SAMPLE DATE	2/19/16	BEL. NO.	1600575	185241

1. General Environmental:		PC	VSS		PC
Acidity	( )		Alkalinity	( )	
Ammonia as N	( )		Bicarbonate	( )	
BOD-5	( )		Bromide	( )	
Chloride	( )		Chlorine, Res.	( )	
COD	( )		Color (ADMI)	( )	
Conductivity µmhos/cm	( )		Color (Pt-Co)	( )	
Dissolved Oxygen	( )		Cyanide	( )	
Hardness	( )		Fluoride	( )	
Moisture %	( )		Iodide	( )	
Nitrite	( )		Nitrate	( )	
Oil+Grease	( )		Nitrate + Nitrite	( )	
Phenol	( )		pH, S.U.	( )	
Phosphorus, Total	( )		Phosphate, Ortho	( )	
Sett Solids mg/L	( )		Sett. Solids mL/L	( )	
Sulfate	( )		Solids, Total	( )	
Sulfite	( )		Sulfide	( )	
TDS	( )		Surfactant	( )	
Temperature, °C	( )		TSS	( )	
TOC	( )		TKN	( )	
Asbestos	( )		Turbidity	( )	
TVS	( )		Carbonate	( )	
Total Nitrogen	( )				

2. Metals:							
Aluminum	(Al)	(X)	1	Cadmium	(Cd)	( )	
Chromium	(Cr)	( )		Copper	(Cu)	( )	
Iron	(Fe)	(X)	1	Lead	(Pb)	(X)	1
Manganese	(Mn)	( )		Mercury	(Hg)	( )	
Nickel	(Ni)	( )		Selenium	(Se)	( )	
Silver	(Ag)	( )		Tin	(Sn)	( )	
Zinc	(Zn)	(X)	1	Arsenic	(As)	( )	
Barium	(Ba)	( )		Boron	(B)	( )	
Antimony	(Sb)	( )		Beryllium	(Be)	( )	
Bismuth	(Bi)	( )		Calcium	(Ca)	( )	
Chromium, VI	(CrVI)	( )		Cobalt	(Co)	( )	
Magnesium	(Mg)	( )		Molybdenum	(Mo)	( )	
Potassium	(K)	( )		Silicon	(Si)	( )	
Sodium	(Na)	( )		Strontium	(Sr)	( )	
Thallium	(Tl)	( )		Titanium	(Ti)	( )	
Vanadium	(V)	( )		Lithium	(Li)	( )	

3. RCRA/Hazardous wastes				
Ignitability (Flash Pt.)	( )		Corrosivity	( )
Reactivity (CN & S)	( )		TCLP	( )
RCRA Metals	( )		Organics-Pest/Herb	( )
Organics-BNA	( )		Organics-VOA	( )
TOX	( )			

4. Specific Organics				
Volatiles	( )		Phenols GC	( )
Pesticides/PCB's	( )		Semi-Volitiles (BNA)	( )
Herbicides	( )		PCB's Only	( )
BTEX	( )		TPH 418.1	( )
TTO & Dioxin	( )		TTO	( )
			TPH 8015	( )
			Lindane	( )

5. Microbiology				
Fecal Coliform	( )		Total Coliform	( )

Comments: _____

Sampling Witness; _____
Date/Time: _____
Relinquished by: Pedro E. Labayen
Date/Time: 2/22/16 9:15 AM
Received by: Edgardo L. Ruiz
Date/Time: 2/22/16 0915
Relinquished by: Edgardo L. Ruiz
Date/Time: 2/22/16 2:30 PM
Received by: Alex Rolón
Date/Time: 2/22/16 2:30 PM
Relinquished by: _____
Date/Time: _____
Received by: _____
Date/Time: _____

Matrix

air	( )	water	(X)	sludge	( )
liquid	( )	soil	( )	solid	( )
oil	( )	mixed	( )	other	( )

Specify: Storm Water

Preservative Codes = PC

1. Cool, <6° C
2. Sulfuric Acid (H_2SO_4) pH<2
3. Nitric Acid (HNO_3), pH<2
4. Hydrochloric acid (HCl)
5. Sodium Thiosulfate
6. Sodium Hydroxide(NaOH)
7. Zinc Acetate
8. Ascorbic Acid
9. FAS
10. Other

Sample type legend:

grab samples x
composite samples xx

Turnaround time:

1 day ( )
2 days ( )
3 days ( )
5 days ( )

Sampling Equipment:

Automatic Sampler ( )
Sample Pick Up ( )

Note: normal turnaround time is ten (10) working days; additional charges apply for rush orders.

Original

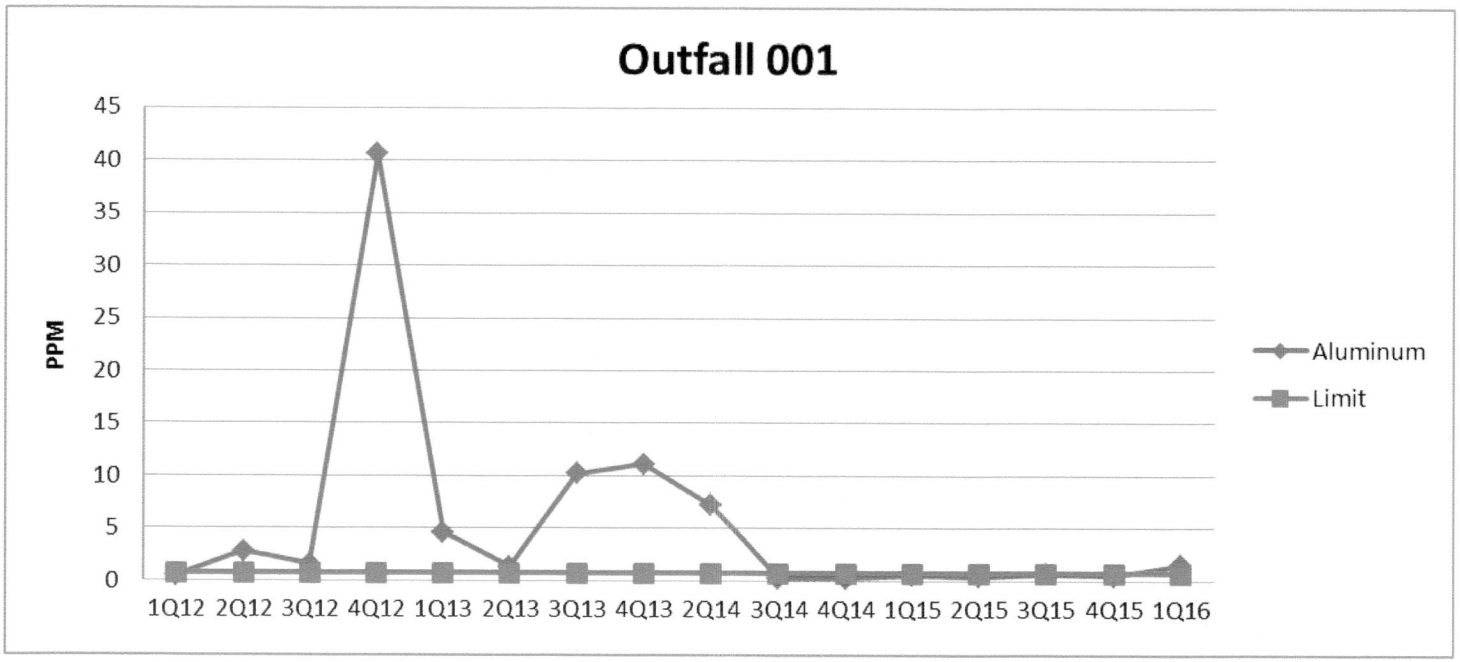
ATTACHMENT 2

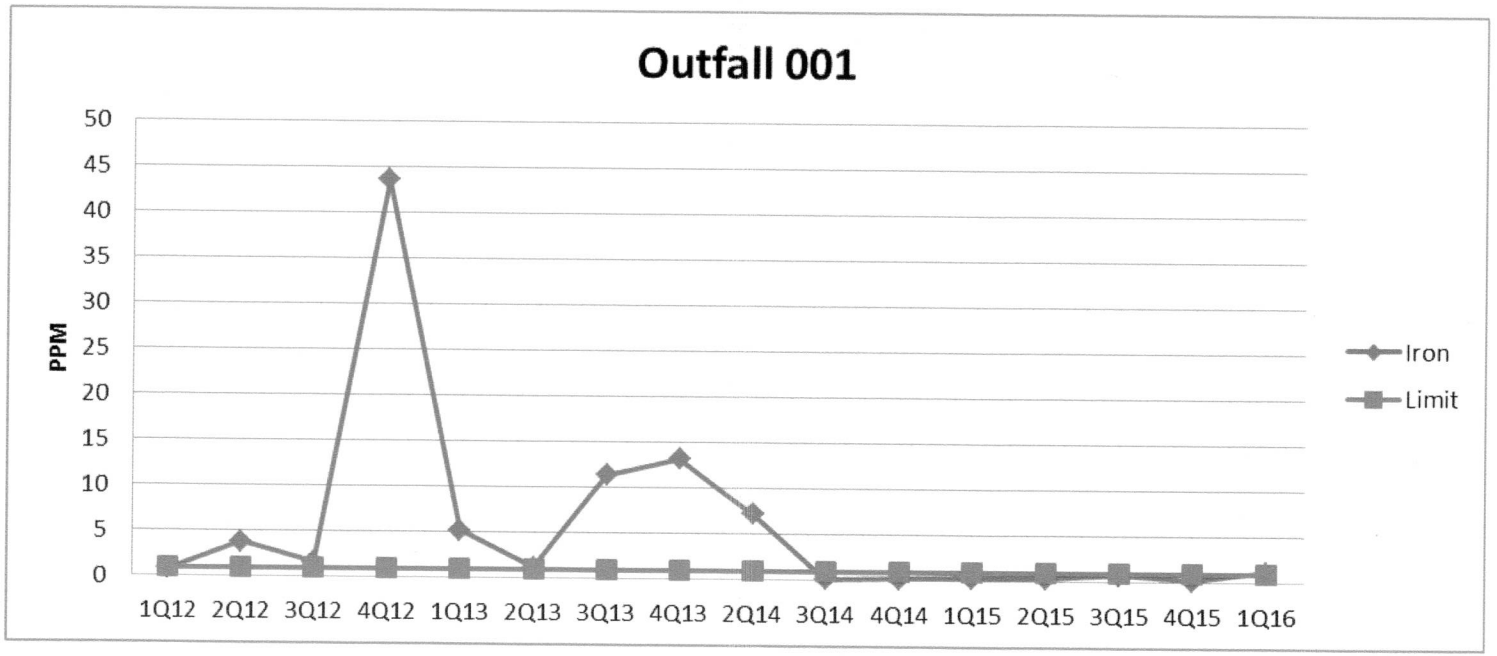
Summary of Benchmark Monitoring

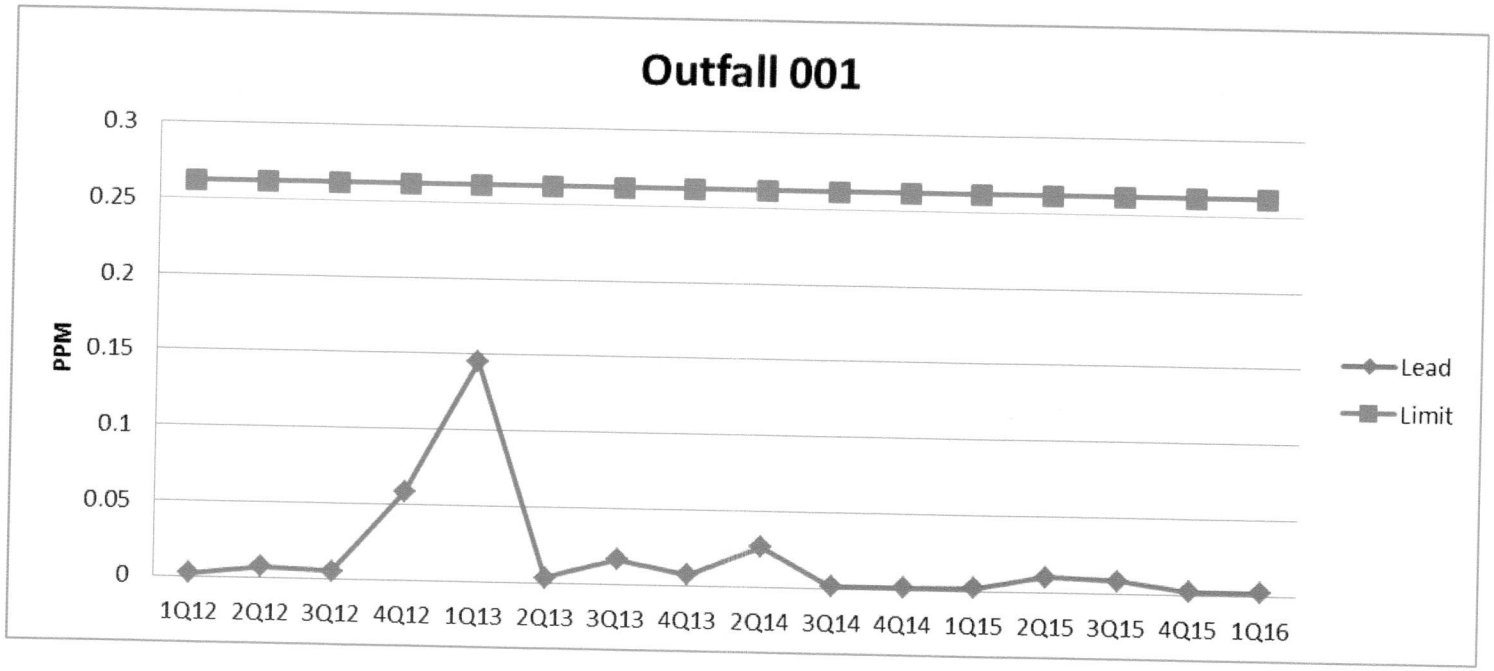
AES Puerto Rico, L.P.
Benchmark Monitoring Results Summary

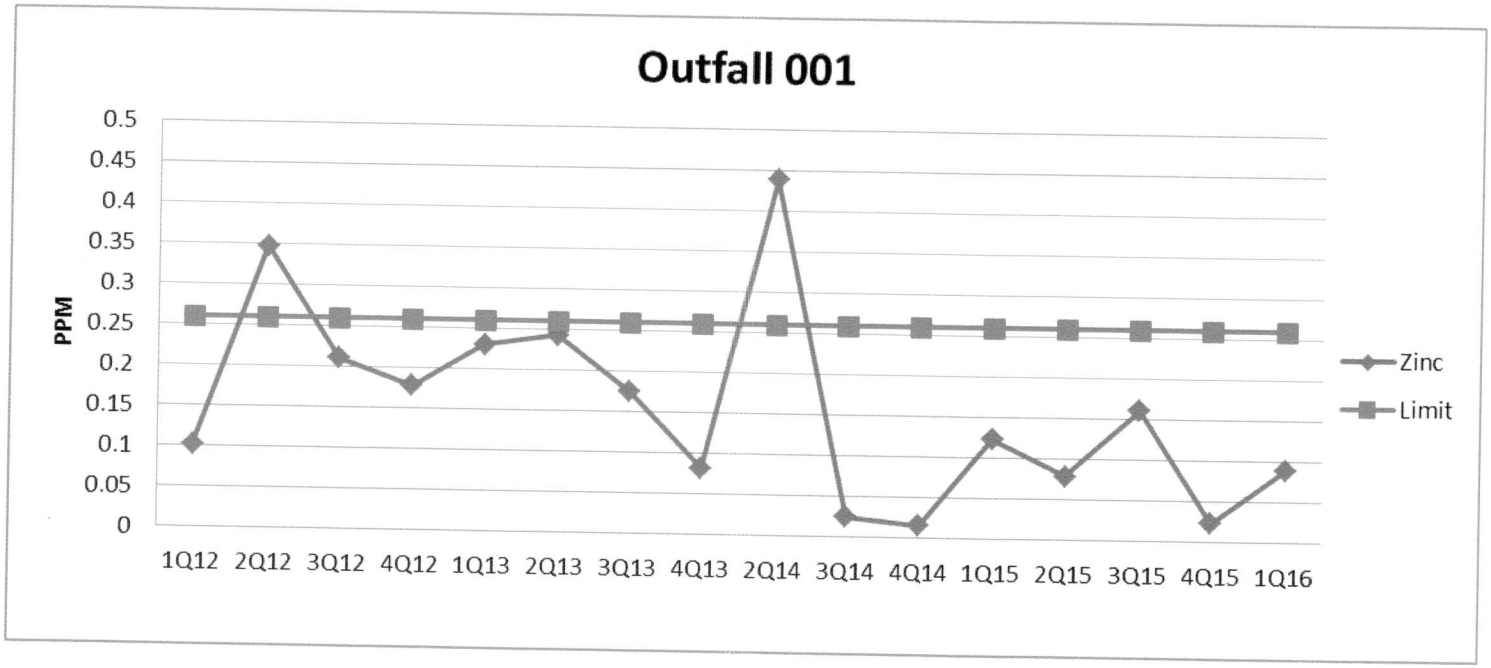
Quarter	Period	*Outfall 001*				*Outfall 002*				*Outfall 003*			
		Total Fe (mg/l)	Total Al (mg/l)	Total Pb (mg/l)	Total Zn (mg/l)	Total Fe (mg/l)	Total Al (mg/l)	Total Pb (mg/l)	Total Zn (mg/l)	Total Fe (mg/l)	Total Al (mg/l)	Total Pb (mg/l)	Total Zn (mg/l)
1	*ENE-MAR 2015*	0.344	0.568	0.002	0.124	0.272	0.947	0.004	0.006	0.396	0.912	0.007	0.009
2	*ABR-JUN 2015*	0.332	0.463	0.01	0.079	0.344	0.448	0.027	0.011	ND	ND	ND	ND
3	*JUL-SEP 2015*	0.755	0.684	0.008	0.161	0.034	0.05	0.021	0.009	0.452	0.405	0.017	0.041
4	*OCT-DEC 2015*	0.232	0.496	0.002	0.024	0.292	0.459	0.002	0.012	0.682	1.33	0.002	0.028
1	*ENE-MAR 2016*	1.18	1.52	0.002	0.089	14.0	17.1	0.005	0.113	0.305	0.208	0.002	0.022
Quarterly AVERAGE		0.625	0.791	0.006	0.088	3.668	4.514	0.014	0.036	0.46	0.71	0.01	0.03
Benchmark Concentration		1.0	0.75	0.262	0.260	1.0	0.75	0.262	0.260	1.00	0.75	0.26	0.26

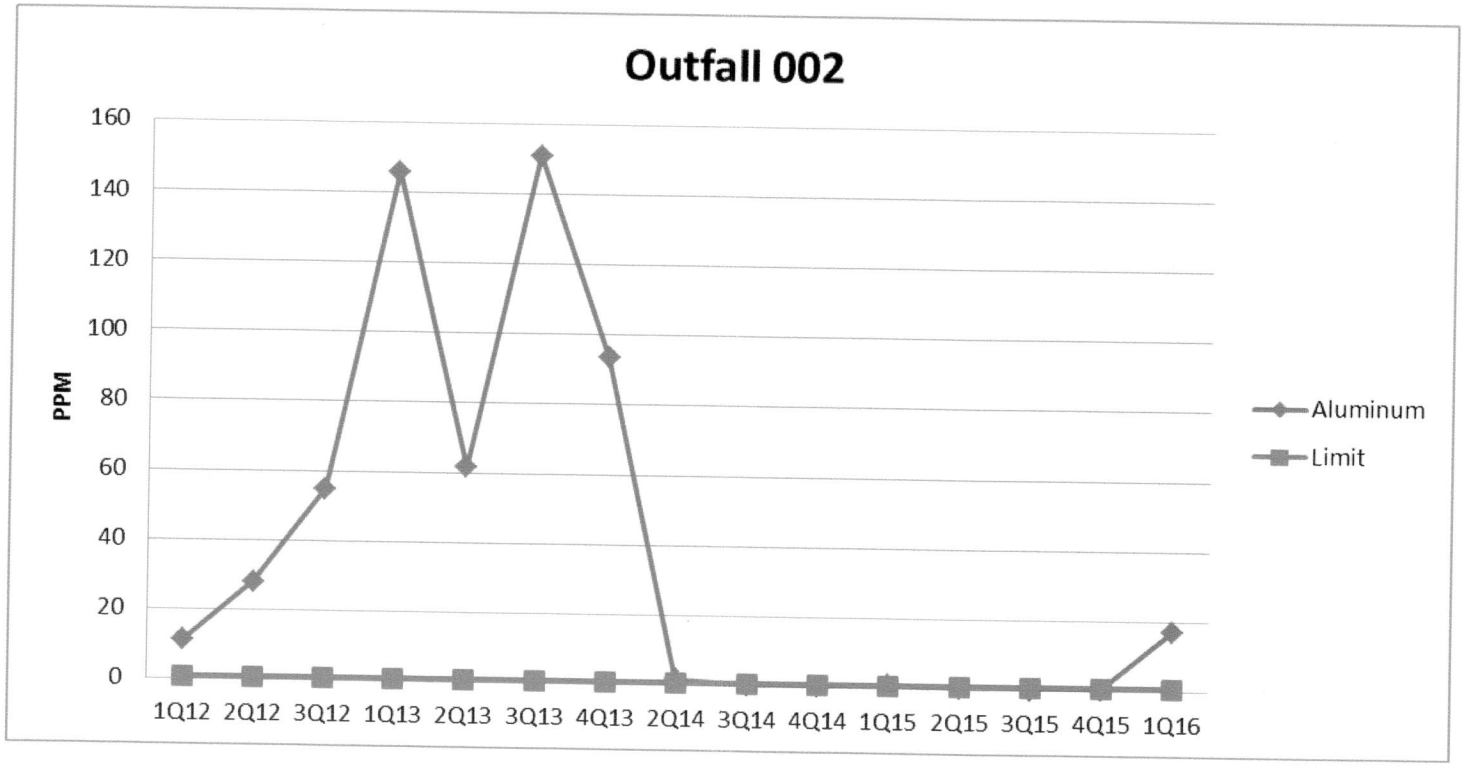
ND = No Discharge

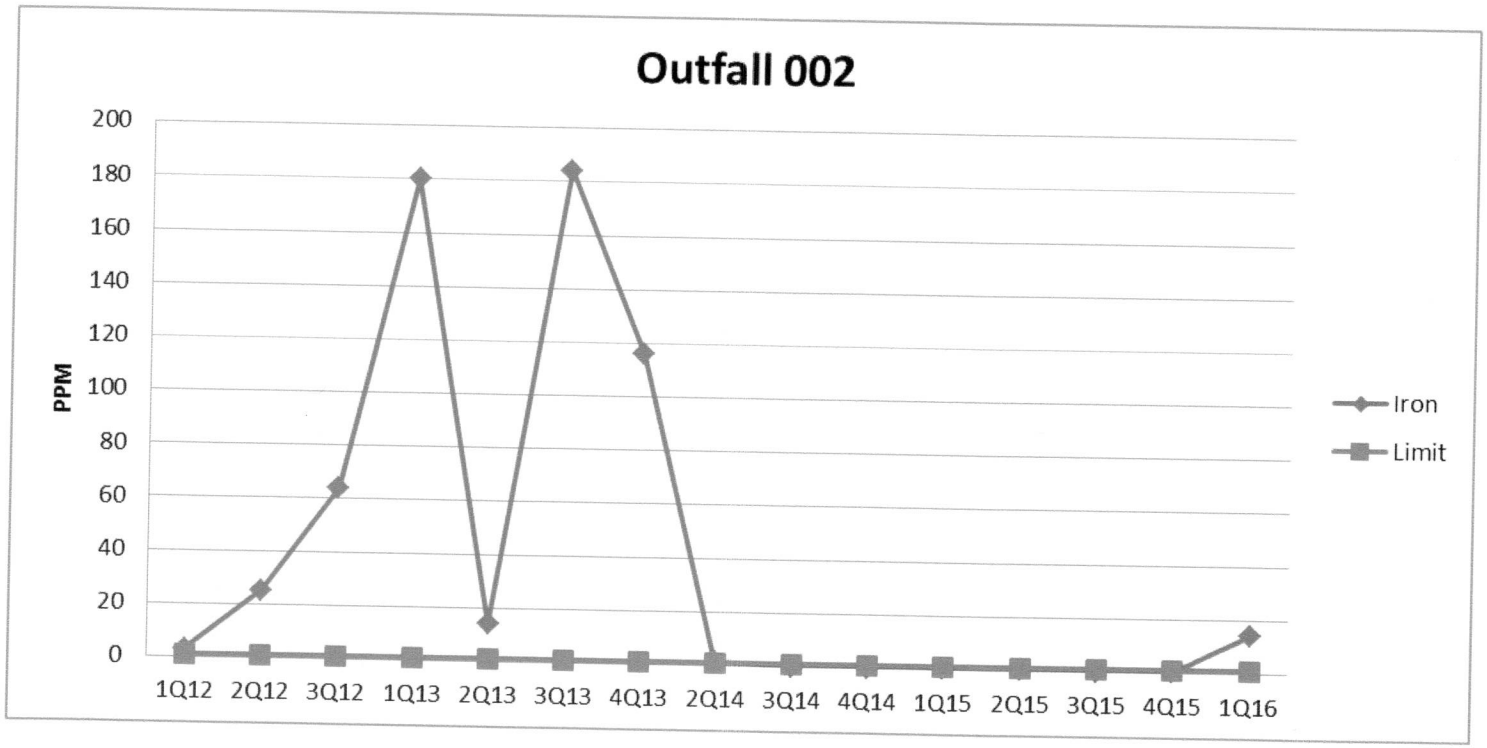

Outfall 001
PPM
45
40
35
30
25
20
15
10
5
0
1Q12 2Q12 3Q12 4Q12 1Q13 2Q13 3Q13 4Q13 2Q14 3Q14 4Q14 1Q15 2Q15 3Q15 4Q15 1Q16
Aluminum
Limit

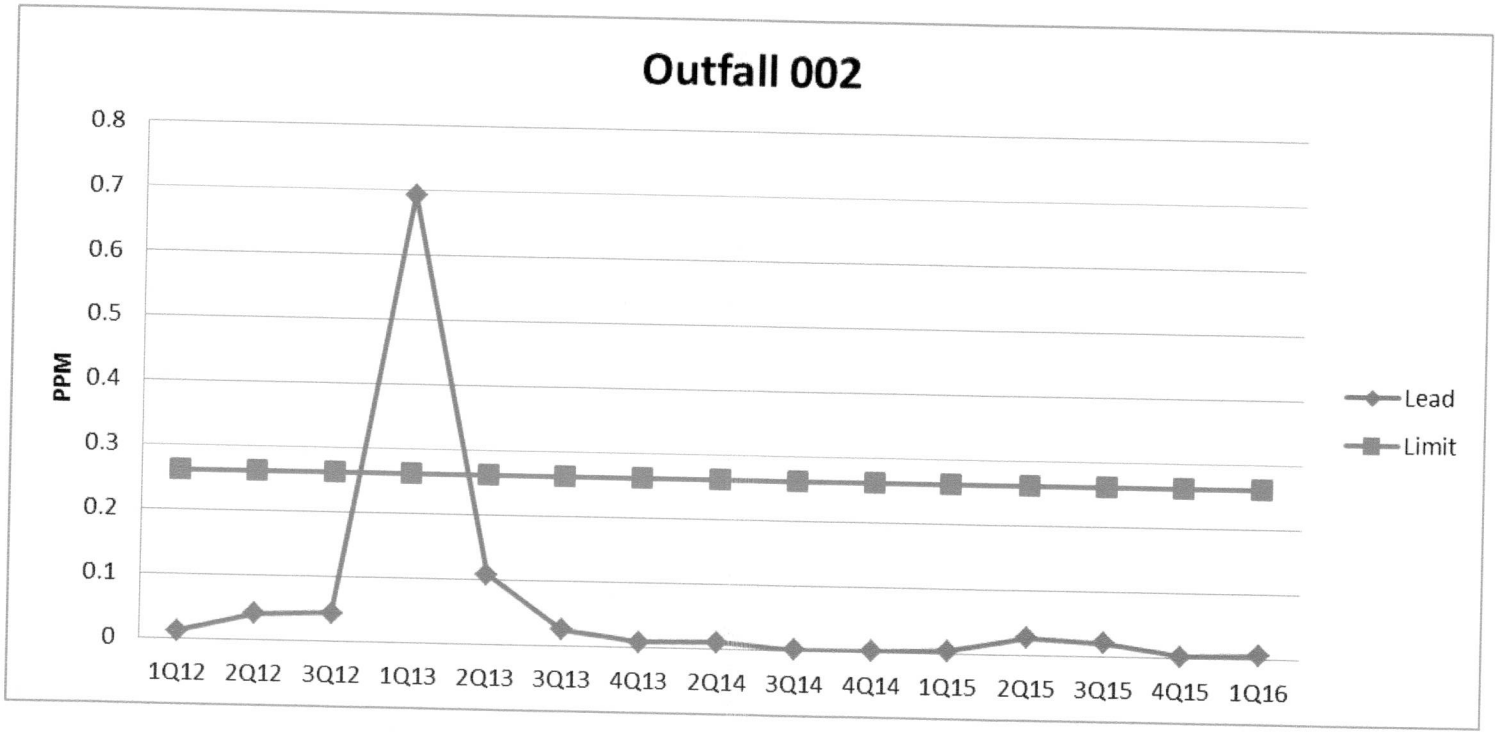

Outfall 001
PPM
50
45
40
35
30
25
20
15
10
5
0
1Q12
2Q12
3Q12
4Q12
1Q13
2Q13
3Q13
4Q13
2Q14
3Q14
4Q14
1Q15
2Q15
3Q15
4Q15
1Q16
Iron
Limit

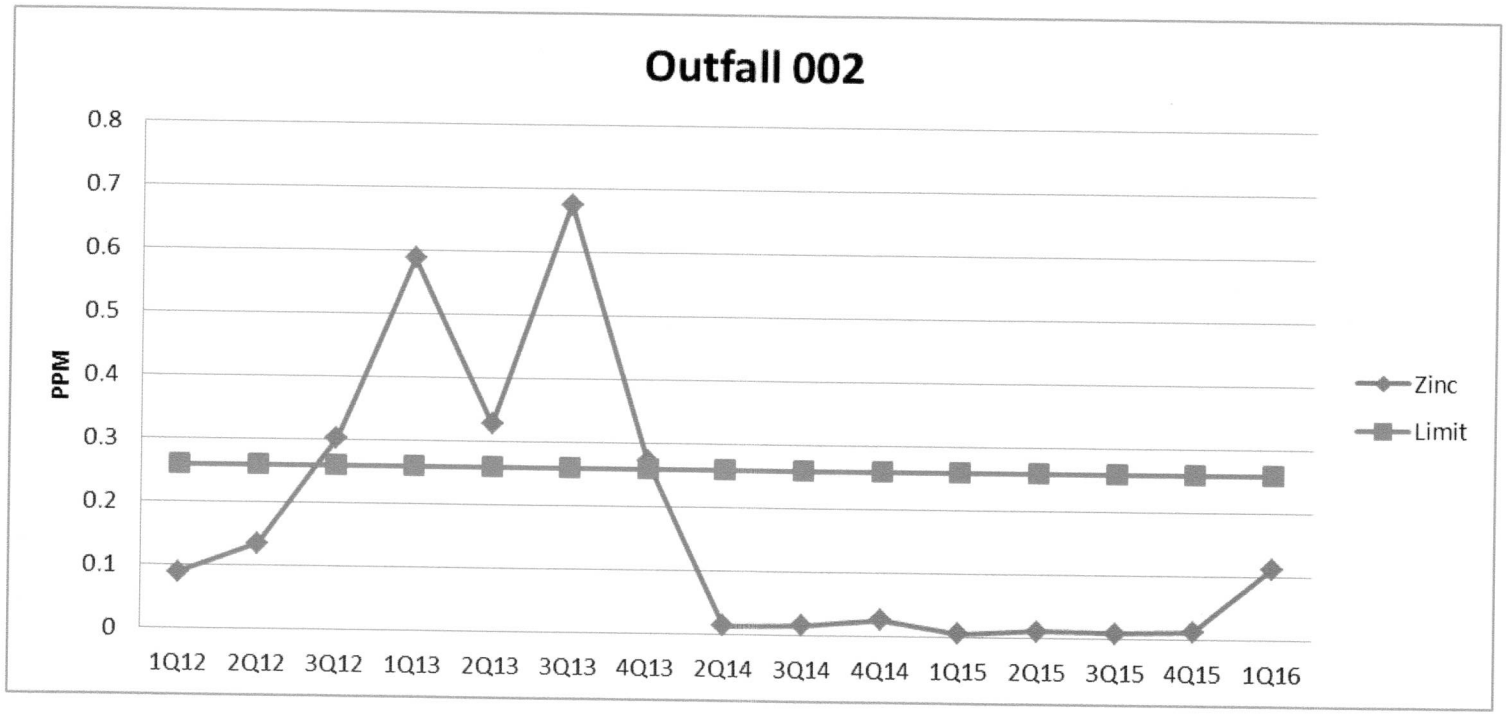

Outfall 001
PPM
0.3
0.25
0.2
0.15
0.1
0.05
0
1Q12 2Q12 3Q12 4Q12 1Q13 2Q13 3Q13 4Q13 2Q14 3Q14 4Q14 1Q15 2Q15 3Q15 4Q15 1Q16
Lead
Limit


Outfall 001
PPM
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
1Q12 2Q12 3Q12 4Q12 1Q13 2Q13 3Q13 4Q13 2Q14 3Q14 4Q14 1Q15 2Q15 3Q15 4Q15 1Q16
Zinc
Limit


Outfall 002
PPM
160
140
120
100
80
60
40
20
0
1Q12
2Q12
3Q12
1Q13
2Q13
3Q13
4Q13
2Q14
3Q14
4Q14
1Q15
2Q15
3Q15
4Q15
1Q16
Aluminum
Limit


Outfall 002
PPM
200
180
160
140
120
100
80
60
40
20
0
1Q12
2Q12
3Q12
1Q13
2Q13
3Q13
4Q13
2Q14
3Q14
4Q14
1Q15
2Q15
3Q15
4Q15
1Q16
Iron
Limit


Outfall 002
PPM
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
1Q12
2Q12
3Q12
1Q13
2Q13
3Q13
4Q13
2Q14
3Q14
4Q14
1Q15
2Q15
3Q15
4Q15
1Q16
Lead
Limit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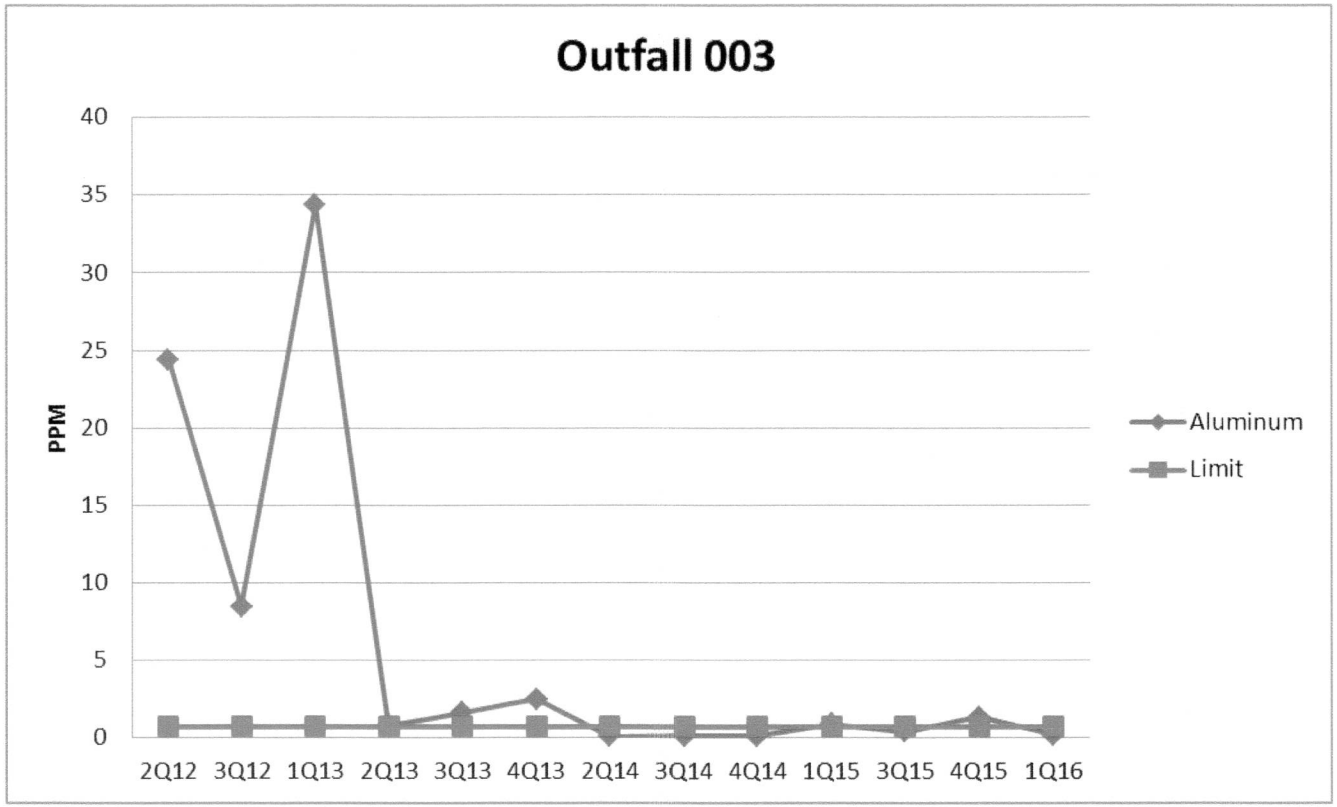
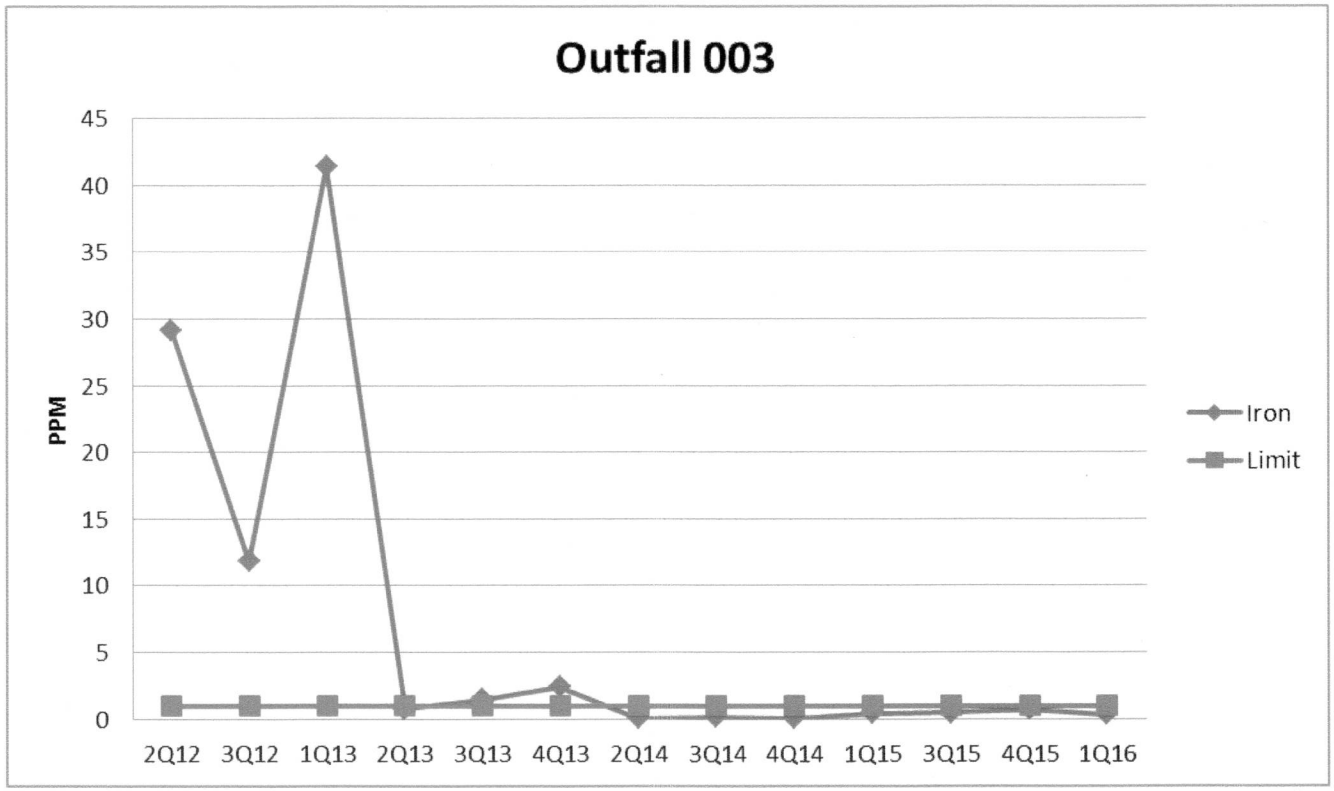
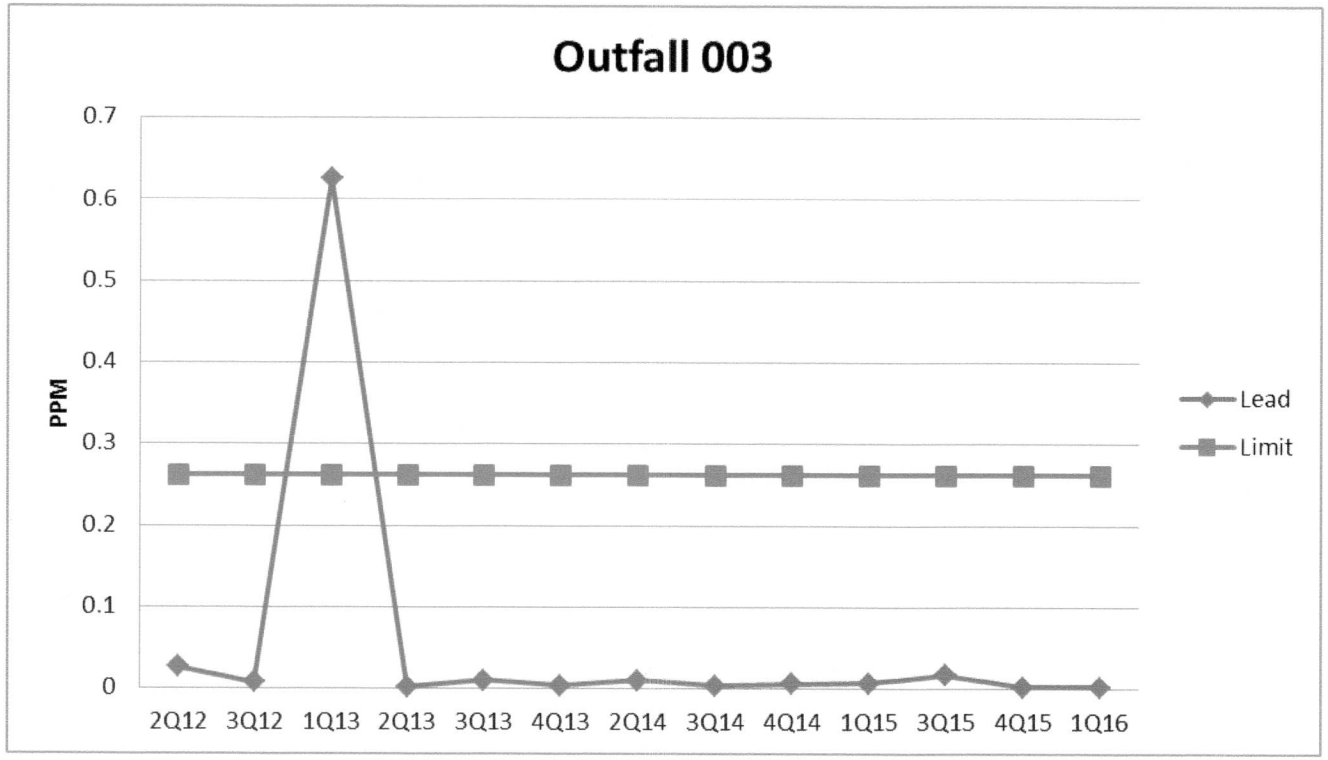
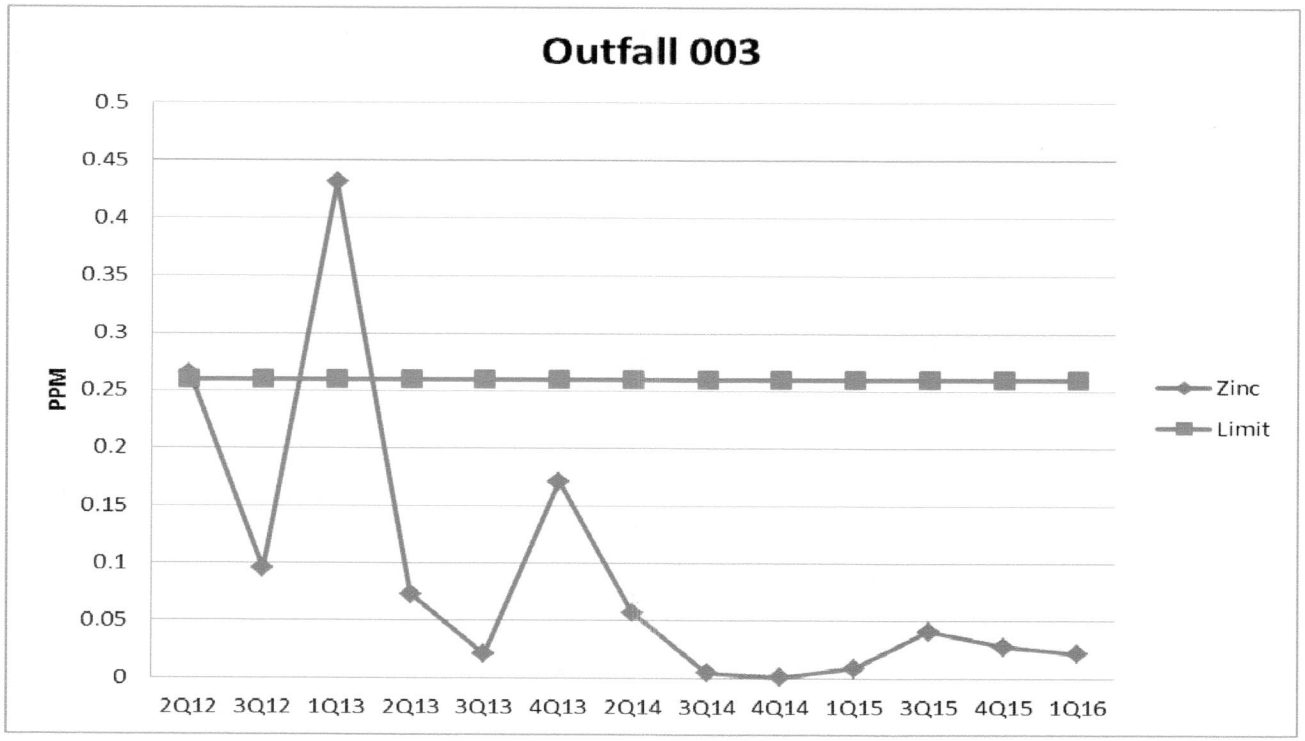
PPM
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
1Q12
2Q12
3Q12
1Q13
2Q13
3Q13
4Q13
2Q14
3Q14
4Q14
1Q15
2Q15
3Q15
4Q15
1Q16
Zinc
Limit


Outfall 003
PPM
40
35
30
25
20
15
10
5
0
2Q12
3Q12
1Q13
2Q13
3Q13
4Q13
2Q14
3Q14
4Q14
1Q15
3Q15
4Q15
1Q16
Aluminum
Limit


Outfall 003
PPM
45
40
35
30
25
20
15
10
5
0
2Q12
3Q12
1Q13
2Q13
3Q13
4Q13
2Q14
3Q14
4Q14
1Q15
3Q15
4Q15
1Q16
Iron
Limit


Outfall 003
PPM
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
2Q12
3Q12
1Q13
2Q13
3Q13
4Q13
2Q14
3Q14
4Q14
1Q15
3Q15
4Q15
1Q16
Lead
Limit


Outfall 003
PPM
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
2Q12
3Q12
1Q13
2Q13
3Q13
4Q13
2Q14
3Q14
4Q14
1Q15
3Q15
4Q15
1Q16
Zinc
Limit

ATTACHMENT 3

Routine Inspection, Visual Inspections and Corrective Actions

Storm Water Industrial Routine Facility Inspection Form — Worksheet No. 4

General Information			
Facility Name	AES Puerto Rico, LP		
NPDES Tracking No.	PRR053093		
Date of Inspection	February 22, 2016	**Start/End Time**	9:50 am / 12:30 pm
Inspector's Name(s)	Pedro E. Labayen		
Inspector's Title(s)	Stormwater Compliance Coordinator		
Inspector's Contact Information	(787) 866-8117 ext. 2215		
Inspector's Qualifications	Professional Engineer		

Weather Information

Weather at time of this inspection?
❑ Clear ☑Cloudy ❑ Rain ❑ Sleet ❑ Fog ❑ High Winds
❑ Other: **Wind 4 mph** Temperature: **82°F**

Have any previously unidentified discharges of pollutants occurred since the last inspection? ❑Yes ☑No
If yes, describe:

Are there any discharges occurring at the time of inspection? ❑Yes ☑No
If yes, describe:

Control Measures

- *Number the structural stormwater control measures identified in your SWPPP on your site map and list them below (add as many control measures as are implemented on-site). Carry a copy of the numbered site map with you during your inspections. This list will ensure that you are inspecting all required control measures at your facility.*
- *Describe corrective actions initiated, date completed, and note the person that completed the work in the Corrective Action Log.*

ID.	Structural Control Measure	Control Measure is Operating Effectively?	If No, In Need of Maintenance, Repair, or Replacement?	Corrective Action Needed and Notes (identify needed maintenance and repairs, or any failed control measures that need replacement)
Run-on Control (Northeast Area)				
01	Earth berm	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
02	Concrete wall	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
03	Rip rap	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
04	Concrete swale	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
05	Run-on inlet grate	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
06	Polymer secondary containment	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	

ID.	Structural Control Measure	Control Measure is Operating Effectively?	If No, In Need of Maintenance, Repair, or Replacement?	Corrective Action Needed and Notes (identify needed maintenance and repairs, or any failed control measures that need replacement)
Firewater Pump station Area				
07	Diesel tank secondary containment	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	Dike valve was observed closed and locked.
08	Oil / Water Separator	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
East Access Road Area				
09	Concrete channel	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
10	Low wall	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
11	Concrete swale next to switch yard	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	Switch yard entrance was stabilized with 2" stone.
Liquid Urea Storage Area				
12	Low wall	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
13	Slope liner	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
14	Truck secondary containment	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
15	Tank secondary containment	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
16	Concrete berm	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
17	Concrete channel culvert inlet	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	No non-stormwater was observed through the channel. Corrective action was completed to eliminate a condensate filtration into the culvert.
Oil Drums Storage				
18	Covered secondary containment	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
Ash Silos- spout				
19	Ash silos	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
20	Spout connection	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
21	Water spray nozzles	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	

ID.	Structural Control Measure	Control Measure is Operating Effectively?	If No, In Need of Maintenance, Repair, or Replacement?	Corrective Action Needed and Notes (identify needed maintenance and repairs, or any failed control measures that need replacement)
22	Water hose	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
Diesel Fuel Storage				
23	Tank truck secondary containment	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
24	Tanks secondary containment	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
25	Drip pans for vehicle / equipment fueling	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
AGREMAX Stockpile				
26	Gabion wall	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
27	10 feet buffer zone	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
28	Low wall	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
32	Covered conveyors	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
35	Wheel wash	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	Wheel wash area needed engineering improvements.
37	Concrete channel	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
Gate #3				
39	Road grating (2)	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
40	Curb	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
41	Curb riprap	❑Yes ☑No	❑ Maintenance ❑ Repair ❑ Replacement	Border of the rip rap needed stone cover.
42	Slope liner	☑Yes ❑No	☑ Maintenance ❑ Repair ❑ Replacement	
43	Outfall riprap	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	

ID.	Structural Control Measure	Control Measure is Operating Effectively?	If No, In Need of Maintenance, Repair, or Replacement?	Corrective Action Needed and Notes (identify needed maintenance and repairs, or any failed control measures that need replacement)
44	Sampling Point Outfall 002	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
45	Concrete wall	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
AGREMAX Stockpile Perimeter Road				
48	Gravel cover	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
49	Concrete channel	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
50	Low wall	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
51	Run on outfall	❑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
Coal Stockpile				
52	Runoff pond	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
53	Super silt fence	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
54	Sediment trap	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
55	Concrete swale	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
56	Wheel washer	❑Yes ☑No	❑ Maintenance ❑ Repair ❑ Replacement	Wheel washer engineering modifications are under evaluation in order to improve efficiency of control. As an immediate action, crossing of heavy equipment to mechanical shop area was prohibited by Material Handling Manager.
57	Riprap in channel and slopes	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
Heavy Equipment Maintenance Shop				
61	Floor grating	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
62	Oil / Water Separator	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
63	Used oil storage tank and drums secondary containment	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
64	Recyclable metals roll-off container cover	❑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	No containers available at this time.

ID.	Structural Control Measure	Control Measure is Operating Effectively?	If No, In Need of Maintenance, Repair, or Replacement?	Corrective Action Needed and Notes (identify needed maintenance and repairs, or any failed control measures that need replacement)
Warehouse / Urea Storage Building				
65	Access road gravel cover	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
66	Earthen berm on west side	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
67	Low wall on north side	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
68	Trapezoidal swale	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
Open Area West of Cooling Tower				
69	Gravel cover	❑Yes ☑No	❑ Maintenance ☑ Repair ❑ Replacement	The area will be refilled with aggregate stone.
70	Slope liners	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
Cooling Tower				
71	Secondary containment dike	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
Water Treatment				
72	Sludge roll- off container inside clean grating	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
73	Soda ash silo secondary containment	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
74	Acid / caustic tank truck unloading secondary containment	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
Access Road West of Power Plant				
75	Catch basin inserts	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
76	Curb inlet	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
77	Concrete berm w/ shallow gutter and curb inlet	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
78	Mercury control chemicals covered storage dike	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
Storm Water Runoff Pond				
80	Concrete weir	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	

ID.	Structural Control Measure	Control Measure is Operating Effectively?	If No, In Need of Maintenance, Repair, or Replacement?	Corrective Action Needed and Notes (identify needed maintenance and repairs, or any failed control measures that need replacement)
81	Riprap channel	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
82	Sediment accumulation control	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
83	Chemicals secondary containment	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
Road North of Coal Pile Runoff Pond				
85	Coal pile runoff pond	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
86	Low wall	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
87	Riprap in channel and slopes	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
88	Concrete wall	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
89	Concrete beam	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
90	Box culvert	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
91	Sampling Point Outfall 003	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
Marine Dock				
92	Collection manifold	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
93	Pier secondary containment	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
94	Sampling Point Outfall 001	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
95	Conveyor TCI	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	

Areas of Industrial Materials or Activities exposed to stormwater

Below are some general areas that should be assessed during routine inspections. Customize this list as needed for the specific types of industrial materials or activities at your facility.

	Area/Activity	Controls Adequate (appropriate, effective, and operating)?	Corrective Action Needed or Completed and Notes
1	Material loading/unloading and storage areas (Agremax, limestone, coal storage)	☑Yes ❑No ❑ N/A	
2	Heavy equipment operations and maintenance areas	☑Yes ❑No ❑ N/A	
3	Fueling areas (heavy equipment fueling and storage tank unloading)	☑Yes ❑No ❑ N/A	
4	Outdoor vehicle and equipment washing areas	☑Yes ❑No ❑ N/A	
5	Waste handling and disposal areas	☑Yes ❑No ❑ N/A	
6	Erodible stockpiles (coal, Agremax)	☑Yes ❑No ❑ N/A	
7	Non-stormwater/ illicit connections	❑Yes ❑No ☑ N/A	
8	Dust generation and vehicle tracking	☑Yes ❑No ❑ N/A	
9	Water Treatment Area	☑Yes ❑No ❑ N/A	
10	Power Block Area	☑Yes ❑No ❑ N/A	
11	Administration Building Area	☑Yes ❑No ❑ N/A	
12	2 Million- gallon and 18 Million-gallon Pond Area	☑Yes ❑No ❑ N/A	
13	Marine Dock Area	☑Yes ❑No ❑ N/A	
14	Stormwater Sample Point 001	☑Yes ❑No ❑ N/A	Troubleshooting and programing were requested by an external contractor. The equipment will be set with the correct conditions for sampling.
15	Stormwater Sample Point 002	☑Yes ❑No ❑ N/A	Troubleshooting and programing were requested by an external contractor. The equipment will be set with the correct conditions for sampling.
16	Stormwater Sample Point 003	☑Yes ❑No ❑ N/A	Troubleshooting and programing were requested by an external contractor. The equipment will be set with the correct conditions for sampling.

	Area/Activity	Controls Adequate (appropriate, effective, and operating)?	Corrective Action Needed or Completed and Notes
17	Run-on storm water conveyance system	☑Yes ❑No ❑ N/A	
18	Run-off storm water conveyance system	☑Yes ❑No ❑ N/A	
19	Process water conveyance system	☑Yes ❑No ❑ N/A	
20	CDS/ESP Area	☑Yes ❑No ❑ N/A	
21	Polymer application at 2 MM-gallon pond area	☑Yes ❑No ❑ N/A	
22	18 MM-gallon Pond Transfer Pumps	☑Yes ❑No ❑ N/A	
23	Coal Crusher Building	☑Yes ❑No ❑ N/A	
24	Portable Toilets	☑Yes ❑No ❑ N/A	

Non-Compliance

Describe any incidents of non-compliance observed and not described above:

Additional Control Measures

Describe any additional control measures needed to comply with the permit requirements:

Notes

Use this space for any additional notes or observations from the inspection:

- Welding activities were observed outside the maintenance building. Works will be relocated in order to prevent exposure to stormwater.

CERTIFICATION STATEMENT

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Print name and title: Pedro E. Labayen / Storm Water Compliance Coordinator

Signature: _____ **Date:** Feb 22, 2016

MSGP Quarterly Visual Assessment Form

Worksheet No. 6

(Complete a separate form for each outfall you assess)

Name of Facility: AES Puerto Rico, L.P. NPDES Tracking No.

Outfall Name: 001 "Substantially Identical Outfall"? ☒ No ☐ Yes

Person(s)/Title(s) collecting sample: Pedro E. Labayen

Person(s)/Title(s) examining sample: Pedro E. Labayen / Storm Water Compliance Coordinator

Date & Time Discharge Began: (2/19/16 3:30pm) Date & Time Sample Collected: (2/19/16 4:10pm) Date & Time Sample Examined: (2/19/16 4:50pm)
Note: Samples must be examined within an hour.

Substitute Sample? ☒ No ☐ Yes (identify quarter/year when sample was originally scheduled to be collected):

Nature of Discharge: ☒ Rainfall ☐ Snowmelt

If rainfall: Rainfall Amount: **0.44** **inches** Previous Storm Ended > 72 hours Before Start of This Storm? ☐ Yes ☒ No* The automatic sampler fails to conduct sample. The discharge occurred late night making difficult to obtain the sample manually due to risk and safety conditions.

Parameter

Color ☒ None ☐ Other (describe):

Odor ☒ None ☐ Musty ☐ Sewage ☐ Sulfur ☐ Sour ☐ Petroleum/Gas _____
☐ Solvents ☐ Other (describe):

Clarity ☐ Clear ☐ Slightly Cloudy ☐ Cloudy ☒ Opaque ☐ Other

Floating Solids ☒ No ☐ Yes (describe):

Settled Solids** ☒ No ☐ Yes (describe):

Suspended Solids ☒ No ☐ Yes (describe):

Foam (gently shake sample) ☒ No ☐ Yes (describe):

Oil Sheen ☒ None ☐ Flecks ☐ Globs ☐ Sheen ☐ Slick
☐ Other (describe):

Other Obvious Indicators of Stormwater Pollution ☒ No ☐ Yes (describe):

Sampling not performed due to no measurable storm event occurring that resulted in a discharge during the monitoring quarter:

☒ No ☐ Yes (describe):

* The 72-hour interval can be waived when the previous storm did not yield a measurable discharge or if you are able to document (attach applicable documentation) that less than a 72-hour interval is representative of local storm events during the sampling period.

** Observe for settled solids after allowing the sample to sit for approximately one-half hour.

Detail any concerns, additional comments, descriptions of pictures taken, and any corrective actions taken below (attach additional sheets as necessary).

Certification by Facility Responsible Official (Refer to MSGP Subpart 11 Appendix B for Signatory Requirements)

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

A. Name: Pedro E. Labayen B. Title: Stormwater Compliance Coordinator

C. Signature: Pedro E. Labayen D. Date Signed: Feb 22, 2016

MSGP Quarterly Visual Assessment Form

Worksheet No. 6

(Complete a separate form for each outfall you assess)

Name of Facility: AES Puerto Rico, L.P. NPDES Tracking No.

Outfall Name: 002 "Substantially Identical Outfall"? ☒ No ☐ Yes

Person(s)/Title(s) collecting sample: Pedro E. Labayen

Person(s)/Title(s) examining sample: Pedro E. Labayen / Stormwater Compliance Coordinator

Date & Time Discharge Began: Feb 19, 2016(3:40 PM) Date & Time Sample Collected: Feb 19, 2016(4:05 PM) Date & Time Sample Examined: Feb 19, 2016(4:50 PM)

Substitute Sample? ☒ No ☐ Yes (identify quarter/year when sample was originally scheduled to be collected):

Nature of Discharge: ☒ Rainfall ☐ Snowmelt

If rainfall: Rainfall Amount: **0.44** **inches** Previous Storm Ended > 72 hours Before Start of This Storm? ☐ Yes ☒ No* Although, a rain storm occurred 24hr. before, it did not generated a discharge (No measurable storm event).

Parameter

Color ☒ None ☐ Other (describe):

Odor ☒ None ☐ Musty ☐ Sewage ☐ Sulfur ☐ Sour ☐ Petroleum/Gas _____ ☐ Solvents ☐ Other (describe):

Clarity ☐ Clear ☐ Slightly Cloudy ☐ Cloudy ☒ Opaque ☐ Other

Floating Solids ☒ No ☐ Yes (describe):

Settled Solids** ☐ No ☒ Yes (Soil erosion from unfilled areas at the curved rip rap were observed. This BMP will be repaired as a Corrective Action.)

Suspended Solids ☐ No ☒ Yes (describe):

Foam (gently shake sample) ☒ No ☐ Yes (describe):

Oil Sheen ☒ None ☐ Flecks ☐ Globs ☐ Sheen ☐ Slick ☐ Other (describe):

Other Obvious Indicators of Stormwater Pollution ☒ No ☐ Yes (describe):

Sampling not performed due to no measurable storm event occurring that resulted in a discharge during the monitoring quarter:

☒ No ☐ Yes (describe):

* The 72-hour interval can be waived when the previous storm did not yield a measurable discharge or if you are able to document (attach applicable documentation) that less than a 72-hour interval is representative of local storm events during the sampling period.

** Observe for settled solids after allowing the sample to sit for approximately one-half hour.

Detail any concerns, additional comments, descriptions of pictures taken, and any corrective actions taken below (attach additional sheets as necessary). Rip rap located south of the AGREMAX pile must be repaired to maintain adequate soil erosion control. Some parts of the system needed to be filled with stone in order to cover all exposed soil. The CCP personnel were informed about the problem and coordinated corrective actions for next day. Some inlet filters installed at entrance grating must be replaced.

Certification by Facility Responsible Official (Refer to MSGP Subpart 11 Appendix B for Signatory Requirements)

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

A. Name: Pedro E. Labayen

B. Title: Stormwater Compliance Coordinator

C. Signature: Pedro E Labayen

D. Date Signed: Feb 22, 2016

MSGP Quarterly Visual Assessment Form

Worksheet No. 6

(Complete a separate form for each outfall you assess)

Name of Facility: **AES Puerto Rico, L.P.** NPDES Tracking No.

Outfall Name: **003** "Substantially Identical Outfall"? ☒ No ☐ Yes

Person(s)/Title(s) collecting sample: **Pedro E. Labayen**

Person(s)/Title(s) examining sample: **Pedro E. Labayen / Stormwater Compliance Coordinator**

Date & Time Discharge Began:**(02/19/16/3:40pm)** Date & Time Sample Collected: **(02/19/16/4:15pm)** Date & Time Sample Examined: **(02/19/16/4:50pm)**

Substitute Sample? ☒ No ☐ Yes (identify quarter/year when sample was originally scheduled to be collected):

Nature of Discharge: ☒ Rainfall ☐ Snowmelt

If rainfall: Rainfall Amount: **0.44 inches** Previous Storm Ended > 72 hours Before Start of This Storm? ☐ Yes ☒ No* Although, a rain storm occurred 24hr. before, it did not generated a discharge (No measurable storm event).

Parameter

Color ☐ None ☒ Other (describe):Light yellow color.

Odor ☒ None ☐ Musty ☐ Sewage ☐ Sulfur ☐ Sour ☐ Petroleum/Gas _____ ☐ Solvents ☐ Other (describe):

Clarity ☒ Clear ☐ Slightly Cloudy ☐ Cloudy ☐ Opaque ☐ Other

Floating Solids ☒ No ☐ Yes (describe):

Settled Solids** ☒ No ☐ Yes (describe):

Suspended Solids ☒ No ☐ Yes (describe):

Foam (gently shake sample) ☒ No ☐ Yes (describe):

Oil Sheen ☒ None ☐ Flecks ☐ Globs ☐ Sheen ☐ Slick ☐ Other (describe):

Other Obvious Indicators of Stormwater Pollution ☒ No ☐ Yes (describe):

Sampling not performed due to no measurable storm event occurring that resulted in a discharge during the monitoring quarter:

☒ No ☐ Yes (describe):

* The 72-hour interval can be waived when the previous storm did not yield a measurable discharge or if you are able to document (attach applicable documentation) that less than a 72-hour interval is representative of local storm events during the sampling period.

** Observe for settled solids after allowing the sample to sit for approximately one-half hour.

Detail any concerns, additional comments, descriptions of pictures taken, and any corrective actions taken below (attach additional sheets as necessary).

Certification by Facility Responsible Official (Refer to MSGP Subpart 11 Appendix B for Signatory Requirements)

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

A. Name: Pedro E. Labayen

B. Title: Stormwater Compliance Coordinator

C. Signature: Pedro E. Labayen

D. Date Signed: Feb 22, 2016

Corrective Action Documentation – 1rst Quarter 2016

Instructions:

Within 24 hours of becoming aware of a condition identified in Parts 4.1 or 4.2 of the 2015 MSGP, document the existence of the condition and subsequent actions. Note that this information must be summarized in the annual report (as required in Part 7.5 of the 2015 MSGP).

Corrective Action #1

Description of Condition: The sludge containment area located west of the water treatment plant must be completely enclosed to collect and reuse all storm waters from that area.

Date: January 19, 2016

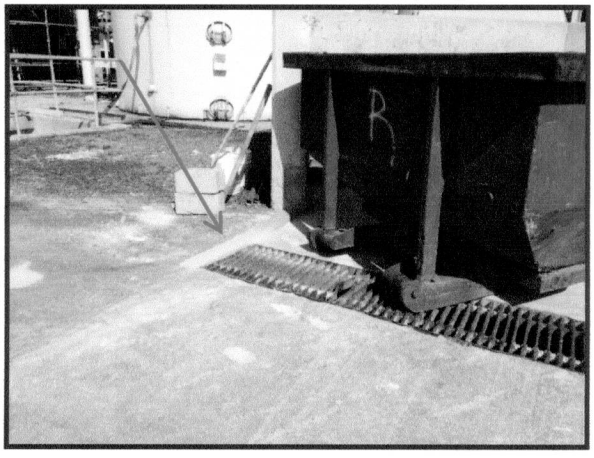
Immediate Actions: A notification to the maintenance and operations personnel was submitted (Notification #:1000436248).

Actions Taken within 14 Days: Plant operations personnel was assigned to perform the work.

14 Day Infeasibility: A small concrete berm will be installed in order to completely segregate the sludge containment area. This requires the coordination of civil works at that area.

45 Day Extension: N/A

Date Completed: February 8, 2016



Corrective Action #2

Description of Condition: Repair sagging pier pipe and joints.

Date: January 19, 2016

Immediate Actions: A notification was made to the maintenance department to repair sagging pier pipe and joints at the West side of Dock walkway (Notification #:1000435941). A work order was generated (WO#: 773750).

Actions Taken within 14 Days: Work coordination with planners.

14 Day Infeasibility: This work requires installation of scaffolds in coordination with maintenance and material handling personnel. Work was scheduled considering coal transfer dates, materials needed and safety precautions. Scaffolds will be installed on the second week of February 2016. Reparation works were coordinated for the third week of February 2016.

45 Day Extension: N/A

Date Completed: February 29, 2016

Corrective Action #3

Description of Condition: Repair steam condensate blowdown drainage pipe at east side of plant.

Date: January 19, 2016

Immediate Actions: A notification was made to planning and maintenance departments. (Notification #:10006098). A work order was generated (WO#: 771752).

Actions Taken within 14 Days: Electrical conductivity of water was analyzed in order to identify the source of condensate and locate the specific pipe area to be repaired.

14 Day Infeasibility: This pipe is located underground and will require excavation to get access. This work involves excavator (digger) machine rental and order of materials including pipes and fittings. The excavator rental and works were coordinated for the third week of February 2016.

45 Day Extension: N/A

Date Completed: February 19, 2016

Corrective Action #4

Description of Condition: Clean and provide aggregate cover to road between the coal pile and mechanical shop.

Date: January 19, 2016

Immediate Actions: The road traffic was restricted and will be used only under the material handling manager authorization.

Actions Taken within 14 Days: The road was refilled with aggregate stone.

14 Day Infeasibility: N/A

45 Day Extension: N/A

Date Completed: February 1, 2016

Corrective Action #5

Description of Condition: Rip rap located south of the AGREMAX pile must be repaired to improve adequate soil erosion control. Some parts of the system needed to be filled with stone to better cover all soil area.

Date: February 19, 2016 (stormwater visual inspection/benchmark monitoring)

Immediate Actions: The CCP personnel were informed about the problem. Corrective actions were coordinated for next day.

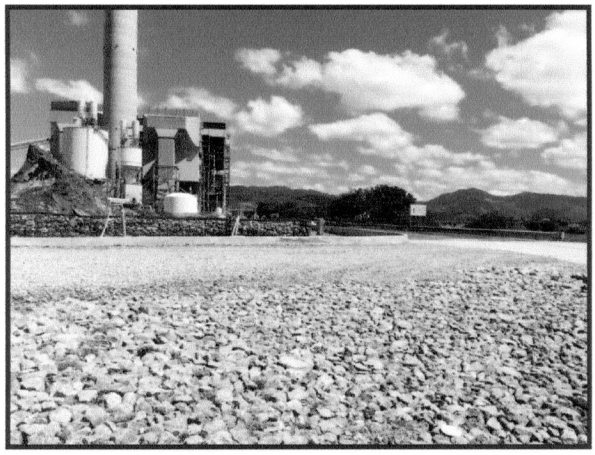
Actions Taken within 14 Days: The following actions were completed:

- Exposed areas were identified and covered with aggregate stone material. Installation was performed using an external contractor.
- High capacity drain guards installed in grating from gate #3 were replaced. This material was also included as a stock item in order to have available material for replacement.
- Silt fence was installed at the upper part of the grassed swale located at the east side of plant in order to reduce stormwater flow velocity and control erosion.

14 Day Infeasibility: N/A

45 Day Extension: N/A

Date Completed: March 15, 2016



Corrective Action #6

Description of Condition: Reparation activities including welding of large equipment have been performed outdoor due to space limitations. These activities must be performed indoors to minimize exposure to storm water.

Date: February 22, 2016

Immediate Actions: The maintenance personnel were informed about the problem. Corrective actions were coordinated for the same date.

Actions Taken within 14 Days: Reparations of large equipment were moved to a roofed area inside the maintenance building.

14 Day Infeasibility: N/A

45 Day Extension: N/A

Date Completed: February 23, 2016

Corrective Action #7

Description of Condition: The CCP wheel washer exit road must be paved or permanently stabilized with stone in order to minimize the tracking of soil material outside the area.

Date: February 22, 2016

Immediate Actions: Facilities and CCP personnel were informed about the problem.

Actions Taken within 14 Days: Different contractors were contacted to obtain quotations and evaluate alternatives. Aggregate stone will be used to maintain the exit stabilized in the meantime.

14 Day Infeasibility: This work will be performed by an external contractor and requires quotation evaluation by AES PR, coordination with internal personnel and aggregate stone delivery to plant. This corrective action will be completed on the third week of March 2016.

45 Day Extension: N/A

Date Completed: March 16, 2016

Corrective Action #8

Description of Condition: The cleaning frequency of the wheel washer used for the AGREMAX transport trucks cleaning needs to be increased.

Date: February 22, 2016

Immediate Actions: The cleaning frequency was increased to a minimum two times a week.

Actions Taken within 14 Days:

14 Day Infeasibility: N/A

45 Day Extension: N/A

Date Completed: February 23, 2016

Corrective Action #9

Description of Condition: Traffic road located south of the AGREMAX storage pile and swale located at the east side of plant needed aggregate refill.

Date: February 22, 2016

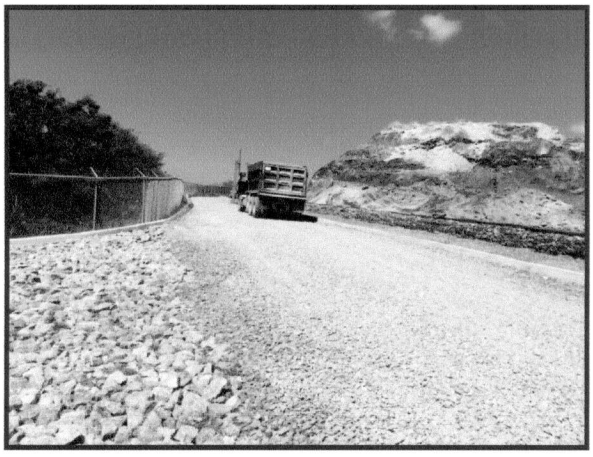
Immediate Actions: Plant CCP personnel were notified about the problem and the frequency of cleaning was increased. A vacuum truck was rented in order to provide temporary support to the operation.

Actions Taken within 14 Days: External contractor and aggregate stone quotations were requested for this work. Aggregates size has been evaluated by the CCP personnel in order to provide adequate stone size and quantity.

14 Day Infeasibility: This work will be performed by an external contractor which requires quotation evaluation by AES PR, coordination with internal personnel and aggregate stone delivery to plant. This corrective action will be completed on the third week of March 2016.

45 Day Extension: N/A

Date Completed: March 17, 2016



Corrective Action #10

Description of Condition: Stormwater visual inspection from sampling point 001 (dock area) showed an opaque clarity parameter. Also, the average of the four monitoring values for aluminum exceeds the benchmark. Stormwater visual inspection and monitoring were performed on February 19, 2016.

Date: February 19, 2016 (stormwater visual inspection/benchmark monitoring)

Immediate Actions: The MH personnel were informed about the problem. Corrective actions were coordinated for next day.

Actions Taken within 14 Days: The following actions were completed:

- The outfall sediment trap was cleaned using the vacuum truck.
- Cleaning the concrete drive way, inspect the PVC header and sediment trap after each coal ship.
- The stormwater inspection form was revised and improved to ensure adequate cleaning condition at the dock area.

14 Day Infeasibility: N/A

45 Day Extension: N/A

Date Completed: March 8, 2016